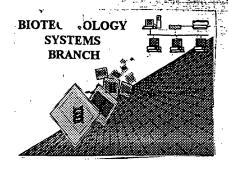
BEST AVAILABLE COPY

RAW SEQUENCE LISTING ERROR REPORT

Date Processed by STIC:



#6

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/435, 274

Source: /636

12/28/2000

RECEIVED

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TECH CENTER TO LL

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216. PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax) PATENTIN 3.0 e-mail help: patin30help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER</u> <u>VERSION 3.0 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address: http://www.uspto.gov/web/offices/pac/checker

Raw Sequence Listing Er Summary

SERIAL NUMBER: SUGGESTED CORRECTION ERROR DETECTED ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE The number/text at the end of each line "wrapped" down to the next line. Wrapped Nucleics This may occur if your file was retrieved in a word processor after creating it. ____ Please adjust your right margin to .3, as this will prevent "wrapping". The amino acid number/text at the end of each line "wrapped " down to the next line. Wrapped Aminos This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3, as this will prevent "wrapping". The rules require that a line not exceed 72 characters in length. This includes spaces. Incorrect Line Length The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs Misaligned Amino Acid between the numbering. It is recommended to delete any tabs and use spacing between the number Numbering This file was not saved in ASCII (DOS) text, as required by the Sequence Rules. Non-ASCII Please ensure your subsequent submission is saved in ASCII text so that it can be processed. contain n's or Xaa's which represented more than one residue. Variable Length As per the rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing. A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid Patentin ver. 2.0 "bug" . Normally, Patentin would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies primarily to the mandatory <220>-<223> sections for Artificial or Unknown sequences. missing. If intentional, please use the following format for each skipped sequence: Skipped Sequences Sequence(s) (2) INFORMATION FOR SEQ ID NO:X: (OLD RULES) (i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS") (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: This sequence is intentionally skipped Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s). Sequence(s) ____ missing. If intentional, please use the following format for each skipped sequence. Skipped Sequences (NEW RULES) <210> sequence id number ₹400> sequence id number 000 Use of n's and/or Xaa's have been detected in the Sequence Listing. Use of n's or Xaa's Use of <220> to <223> is MANDATORY if n's or Xaa's are present. (NEW RULES) In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents. are missing this mandatory field or its response. Use of <213>Organism Sequence(s) (NEW RULES) Sequence(s) _____ are missing the <220>Feature and associated headings. Use of <220>Feature Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown" (NEW RULES) Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted Patentin ver. 2.0 "bug

Instead, please use "File Manager" or any other means to copy file to floppy disk.

file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).



1636

RAW SEQUENCE LISTING DATE: 12/28/2000 PATENT APPLICATION: US/09/435,274 TIME: 08:22:34

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Output Set: N:\CRF3\12282000\I435274.raw

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        Rhee, Yoon
 6 <120> TITLE OF INVENTION: Genetic Assay for Protein Nuclear Transport
 8 <130> FILE REFERENCE: 001.00301
10 <140> CURRENT APPLICATION NUMBER: US 09/435,274
11 <141> CURRENT FILING DATE: 1999-11-05
13 <150> PRIOR APPLICATION NUMBER: US 60/107,417
14 <151> PRIOR FILING DATE: 1998-11-06
16 <160> NUMBER OF SEQ ID NOS: 13
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22 <212> TYPE: DNA
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34 acgcggctga agaacatctg aaggcgctgg cacgcaaagg cgttattgaa attgtttccg 180
35 yegeateacy egggattegt etgttgeagg aagaggaaga agggttgeeg etggtaggte 240
36 gtytggctgc cggtgaacca ottotggcgc aacagcatat tgaaggtcat tatcaggtcg 300
37 attetteett atteaageeg aatgetgatt teetgetgeg egteageggg atgtegatga 360
38 angatatogg cattatggat ggtgacttyc tggcagtgca taaaactcag gatgtacgta 420
39 acggtcaggt cgttgtcgca cgtattgatg acgaagttac cgttaagggc ctggaaaaac 480
40 agggcaataa agtcgaactg ttgccagaaa atagcgagtt taaaccaatt gtcgttgacc 540
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61
               20
                                   25
63 Gln Arg Leu Gly Phe Arg Ser Pro Asn Ala Ala Glu Glu His Leu Lys
         35
                              40
66 Ala Leu Ala Arg Lys Gly Val Ile Glu Ile Val Ser Gly Ala Ser Arg
       50
                           55
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Does Not Comply

Corrected Diskette Needed



JAN 10 2001

TECH CENTER 1600/29(1)

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PATENT APPLICATION: US/09/435,274
                                                         TIME: 08:22:34
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    72 Arg Val Ala Ala Gly Glu Pro Leu Leu Ala Cln Gln His Lle Glu Gly
                                         90
    7.3
                      8.5
    75 His Tyr Gln Val Asp Pro Ser Leu Phe Lys Pro Asn Ala Asp Phe Leu
    76
               1.00
                                 1.05
                                                        110
    78 Leu Arg Val Ser Gly Met Ser Met Lys Asp Ile Gly Ile Met Asp Gly 79 $115\  120 $120\ 
    81 Asp beu Leu Ala Val His Lys Thr Gln Asp Val Arg Asm Gly Gln Val 82 130 135 140
                                                                                       RECEIVED
    84 Val Val Ala Arg Tle Asp Asp Glu Val Thr Val Lys Gly Leu Glu Lys
85 145 150 155 1.60
    87 Gln Gly Asn Lys Val Glu Leu Pro Glu Asn Ser Glu Phe Lys Pro
                                                                                          JAN 1 0 2001
                    165
                                 170
                                                           1.75
    90 Ile Val Val Asp Leu Arg Gln Gln Ser Phe Thr Ile Glu Gly Leu Ala
    91 180
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    107 1.
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    111 <211> LENGTH: 16
    112 <212> TYPE: PRT
    113 <213> ORGANISM: Xenopus sp.
                                                      sel ten 10 on Eva Sunnay
Des Eys Eys Leu Sheet
    115 <220> FEATURE:
    116 <223> OTHER INFORMATION: nucleoplasmin NLS
    118 <400> SEQUENCE: 4
120
    123 <210> SEQ ID NO: 5
    124 <211> LENGTH: 9
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RAW SEQUENCE LISTING

DATE: 12/28/2000

 RAW SEQUENCE LISTING
 DATE: 12/28/2000

 PATENT APPLICATEON:
 US/09/435,274
 TIME: 08:22:34

Input Set : A: \00100301.app

Output Set: N:\CRF3\12282000\I435274.raw

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DATE: 1.2/28/2000 TIME: 08:22:34 RAW SEQUENCE LISTING PATENT APPLICATION: US/09/435,274

Input Set : A:\00100301.app
Output Set: N:\CRF3\12282000\I435274.raw

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.231	<211>	LENGTH: 25					100	
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VERIFICATION SUMMARY DATE: 12/28/2000 PATENT APPLICATION: US/09/435,274 - TIME: 08:22735

Input Set : A:\00100301.app
Output Set: N:\CRF3\12282000\1435274.raw

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